

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- Sub 1
1. (Presently amended) A method for restricting lanes in a supply chain management framework, comprising:
- a) displaying a plurality of distribution centers of a supply chain utilizing a graphical user interface;
 - b) designating a lane restriction ~~of for at least one each~~ of the distribution centers utilizing the graphical user interface; and
 - c) performing a supply chain least cost analysis conditionally involving the distribution centers in a supply chain analysis based on the designation of the lane restriction.
- AI
2. (Presently amended) The method of claim 1, wherein it is determined whether a supplier site ~~has been excluded from the supply chain analysis and the lane restriction designation step is performed based thereon, and the lane is involved in the supply chain analysis based on determination.~~
3. (Presently amended) The method of claim 1, wherein the lane restriction applies to a given lane, wherein the given lane is designated as required and the given lane is allocated prior to the supply chain analysis upon the lane restriction of the distribution centers being designated as required.
4. (Presently amended) The method of claim 1, wherein the lane restriction applies to a given lane and the given lane is excluded during the supply chain analysis upon the lane restriction of the distribution centers based upon the given lane being designated as excluded.
5. (Presently amended) The method of claim 1, wherein the lane restriction applies to a given lane and the given lane is included during the supply chain analysis upon the lane restriction of the distribution centers based upon the given lane being designated as available for a solution to be solved.
- BI

6. (Original) The method of claim 1, wherein the designation is received utilizing a network.

7. (Presently amended) A system for restricting lanes in a supply chain management framework, comprising:

- a) logic for displaying a plurality of distribution centers of a supply chain utilizing a graphical user interface;
- b) logic for designating a lane restriction ~~of each~~ for at least one of the distribution centers utilizing the graphical user interface; and
- c) logic for performing a supply chain least cost analysis conditionally involving the distribution centers ~~in a supply chain analysis~~ based on the designation of the lane restriction.

8. (Presently amended) The system of claim 7, wherein it is determined whether a supplier site has been excluded from the supply chain analysis and the lane restriction designation step is performed based thereon, ~~and the lane is involved in the supply chain analysis based on determination.~~

9. (Presently amended) The system of claim 7, wherein the lane restriction applies to a given lane, wherein the given lane is designated as required and the given lane is allocated prior to the supply chain analysis upon the lane restriction of the distribution centers being designated as required.

10. (Presently amended) The system of claim 7, wherein the lane restriction applies to a given lane and the given lane is excluded during the supply chain analysis upon the lane restriction of the distribution centers based upon the given lane being designated as excluded.

11. (Presently amended) The system of claim 7, wherein the lane restriction applies to a given lane and the given lane is included during the supply chain analysis upon the lane restriction of the distribution centers based upon the given lane being designated as available for a solution to be solved.

12. (Original) The system of claim 7, wherein the designation is received utilizing a network.

13. (Presently amended) A computer program product for restricting lanes in a supply chain management framework, comprising:

- a) computer code for displaying a plurality of distribution centers of a supply chain utilizing a graphical user interface;
- b) computer code for designating a lane restriction ~~of each~~ for at least one of the distribution centers utilizing the graphical user interface; and
- c) computer code for performing a supply chain least cost analysis ~~conditionally involving the distribution centers in a supply chain analysis based on the designation of the lane restriction.~~

14. (Presently amended) The computer program product of claim 13, wherein it is determined whether a supplier ~~site~~ has been excluded from the supply chain analysis and the lane restriction designation step is performed based thereon, and the lane is involved in the supply chain analysis based on determination.

15. (Presently amended) The computer program product of claim 13, wherein the lane restriction applies to a given lane, wherein the given lane is designated as required and the given lane is allocated prior to the supply chain analysis upon the lane restriction of the distribution centers being designated as required.

16. (Presently amended) The computer program product of claim 13, wherein the lane restriction applies to a given lane and the given lane is excluded during the supply chain analysis upon the lane restriction of the distribution centers based upon the given lane being designated as excluded:

17. (Presently amended) The computer program product of claim 13, wherein the lane restriction applies to a given lane and the given lane is included during the supply chain analysis upon the lane restriction of the distribution centers based upon the given lane being designated as available for a solution to be solved.

18. (Original) The computer program product of claim 13, wherein the designation is received utilizing a network.